

## LIST OF PUBLICATIONS 2013

*School of Energy, Environment and Material, KMUTT*

*Annual Report for Year 2013, (Update 19 August 2014)*

*IJ-38*

*NJ-11*

*IC-69*

*NC-67*

## INTERNATIONAL JOURNALS

1. Anon Namin, Chaya Jivacate, Dhirayut Chenvidhya, Krissanapong Kirtikara, and Jutturit Thongpron, 2013, "**Determination of Solar Cell Electrical Parameters and Resistances Using Color and White LED - Based Solar Simulators with High Amplitude Pulse Input Voltages**", *Renewable Energy*, [JIF 2012 : 2.989], Vol. 54, No. 2013, June, 2013, pp. 131 - 137.
2. Apisit Kositchaiyong, Vichai Rosarpitak, Benjaphorn Prapagdee, and Narongrit Sombatsompop, 2013, "**Molecular Characterizations, Mechanical Properties and Anti - Algal Activities for PVC and Wood/PVC Composites Containing Urea - and Triazine - Based Algaecides**", *Composites : Part B. Engineering*, [JIF 2012 : 2.143], Vol. 53, No., Oct, 2013, pp. 25 - 35.
3. Arkom Palamanit, Somchart Soponronnarit, Somkiat Prachayawarakorn, and Patcharee Tungtrakul, 2013, "**Effects of Inlet Air Temperature And spray Rate of Coating Solution on Quality Attributes of Turmeric Extract Coated Rice Using Top - Spray Fluidized Bed Coating Technique**", *Journal of Food Engineering*, [JIF 2012 : 2.276], Vol. 114, No. 1, Jan, 2013, pp. 132 - 138.
4. Atthapong Gitichaiwat, Apisit Kositchaiyong, Kwannate Sombatsompop, Benjaporn Prapakdee, Khokhwan Israngkura, and Narongrit Sombatsompop, 2013, "**Assessment and Characterization of Antifungal and Antialgal Performances for Biocide-Enhanced Linear Low - Density Polyethylene**", *Journal of Applied Polymer Science*, [JIF 2012 : 1.395], Vol. 128, No. 1, Apr, 2013, pp. 371 - 379.

5. Bhuchiss Tanwanichkul, Sirichai Thepa, and Wathanyoo Rordprapat, 2013, "**Thermal Modeling of the Forced Convection Sandwich Greenhouse Drying System for Rubber sheets**", *Energy Conversion and Management*, [JIF 2012 : 2.775], Vol. 74, No. 2013, Oct, 2013, pp. 511 - 523.
6. Buntoon Wiengmoon, Krissanapong Kirtikara, Chaya JivaCate, and Dhirayut Chenvidhya, 2013, "**Local Parallel Resistances of Solar Cell Derived By the Thermal Image Analysis**", *Renewable Energy*, [JIF 2012 : 2.989], Vol. 55, No. 2013, 2013, pp. 49 - 54.
7. Chaiwat Rattanamechaiskul, Somchart Soponronnarit, Somkiat Prachayawarakorn, and Patcharee Tungtrakul, 2013, "**Optimal Operating Conditions to Produce Nutritious Partially Parboiled Brown Rice in a Humidified Hot Air Fluidized Bed Dryer**", *Drying Technology*, [JIF 2012 : 1.814], Vol. 31, No. 4, Feb, 2013, pp. 368 – 377.
8. Charoenporn Lertsatitthanakorn, Jindaporn Jamradloedluk, Monthana Rungsiyopas, Apichit Therdyothin, and Somchart Soponronnarit, 2013, "**Performance Analysis of a Thermoelectric Solar Collector Integrated with a Heat Pump**", *Journal of Electronic Materials*, [JIF 2012 : 1.635], Vol. 42, No. 7, Jul, 2013, pp. 2320 - 2325.
9. Chongprode Kochaphum, Shabbir H. Gheewala, and Soydoa Vinitnantharat, 2013, "**Does Biodiesel Demand Affect Palm Oil Prices in Thailand?**", *Energy for Sustainable Development*, [JIF 2012 : 2.221], Vol. 17, No. 6, Dec, 2013, pp. 658 - 670.
10. Chonlada Raikham, Somkiat Prachayawarakorn, Adisak Nathakaranakule, and Somchart Soponronnarit, 2013, "**Optimum Conditions of Fluidized Bed Puffing for Producing Crispy Banana**", *Drying Technology*, [JIF 2012 : 1.814], Vol. 31, No. 6, 2013, pp. 726 - 739.

11. Jatuphorn Wootthikanokkhan, Cheachun T, Narongrit Sombatsompop, Thumsorn S, Narin Kaabbuathong, Nattula Wongta, Jessada Wong - On, Sirion Isarankura na Ayutthaya, and Apisit Kositchaiyong, 2013, "**Crystallization and Thermomechanical Properties of PLA Composites : Effects of Additive Types and Heat Treatment**", *Journal of Applied Polymer Science*, [JIF 2012 : 1.395], Vol. 129, No. 1, Jul 5, 2013, pp. 215 – 223.
12. Kanisorn Jai - eau, Ekachai Wimolmala, and Narongrit Sombatsompop, 2013, "**Cure Behavior and Antimicrobial Performance of Sulfur - Cured Natural Rubber Vulcanizates Containing 2 - Hydroxypropyl - 3 - piperazinylquinolinecarboxylic Acid Methacrylate or Silver - Substituted Zeolite**", *Journal of Vinyl & Additive Technology*, [JIF 2012 : 1.107], Vol. 19, No. 2, Jun, 2013, pp. 123 - 131.
13. Kantima Chaochanchaikul, Vichai Rosarpitak, and Narongrit Sombatsompop, 2013, "**Photodegradation Profiles of PVC Compound and Wood/PVC Composites Under UV Weathering**", *Express Polymer Letters*, [JIF 2012 : 2.294], Vol. 7, No. 2, Feb, 2013, pp. 146 - 160.
14. Kenneth Widmer, Nguyen Thi Van Ha, Soydoa Vinitnantharat, Suthipong Sthiannopkao, Setiawan Wangsaatmaja, Maria Angela Novi Prasetiati, Nguyen Cong Thanh, Kasame Thepnoo, Arief Dhany Sutadian, Huynh Thi Thanh Thao, Deby Fapyane, Vibol San, Pierangeli Vital, and Hor - Gil Hur, 2013, "**Prevalence of Escherichia Coli in Surface Waters of Southeast Asian Cities**", *World Journal of Microbiology and Biotechnology*, [JIF 2012 : 1.262], Vol. 29, No. 11, 2013, pp. 2115 - 2124.
15. Kulnida Taptim and Narongrit Sombatsompop, 2013, "**Anti - Microbial Performance and the Cure and Mechanical Properties of Peroxide - Cured Silicone Rubber Compounds**", *Journal of Vinyl & Additive Technology*, [JIF 2012 : 1.107], Vol. 19, No. 2, Jun, 2013, pp. 113 - 122.

16. Nareerat Naovaratpong, Itsda Boonyaroonate, and Adisak Nathakaranakule, 2013, "**On the Laser - Induced Heat Profile for Skin - Thermolysis by Using an Egg White Protein Simulation Model**", *Lasers in Engineering*, [JIF 2012 : 0.469], Vol. 25, No. 3/4, 2013, pp. 163 - 171.
17. Narumon Seeponkai, Jatuphorn Wootthikanokkhan, and Chanchana Thanachayanont, 2013, "**Synthesis and Characterization of Fullerene Functionalized Poly (Vinylchloride) (PVC) and Dehydrochlorinated PVC Using Atom Transfer Radical Addition and AIBN Based Fullerenation**", *Journal of Applied Polymer Science*, [JIF 2012 : 1.395], Vol. 130, No. 4, Nov, 2013, pp. 2410 - 2421.
18. Nawarat Worauaychai, Nuchthana Poolthong, and Ruangdaj Tong Sri, 2013, "**Reduction of Liquid Phase Formation Temperature of TiC - Ni Composite by Sintering Activator Addition**", *Powder Technology*, [JIF 2012 : 2.024], Vol. 246, No. 2013, Sep, 2013, pp. 478 - 486.
19. Pachareeya Suriyachai, Nandh Tharvarungkul, and Pongdhorn Sae-oui, 2013, "**Effects of Azodicarbonamide and Vulcanization Methods on Acrylonitrile - Butadiene Rubber/Polyvinyl Chloride Foam Properties**", *Rubber Chemistry and Technology*, [JIF 2012 : 0.438], Vol. 86, No. 1, 2013, pp. 86 - 95.
20. Pongsakorn Sarntichartsak and Sirichai Thepa, 2013, "**Modeling and Experimental Study on the Performance of an Inverter Air Conditioner Using R - 410A with Evaporatively Cooled Condenser**", *Applied Thermal Engineering*, [JIF 2012 : 2.127], Vol. 51, No. 1 - 2, Mar, 2013, pp. 597 - 610.
21. Preecha Tumm, Surapong Chirarattananon, Vu Duc Hien, Pipat Chaiwiwatworakul, and Pattana Rakkwamsuk, 2013, "**Thermal Performance of Insulated Walls Enclosing Residential Spaces in Thailand**", *Energy and Buildings*, [JIF 2012 : 2.679], Vol. 61, No. 2013, Jun, 2013, pp. 323 - 332.

22. Ratchanee Chinkamonthong, Apisit Kositchaiyong, and Narongrit Sombatsompop, 2013, **"Effects of Thermal and UV Aging on Antibacterial Properties of Linear Low - Density Polyethylene and Poly (Vinyl chloride) Films Containing Nano - Silver Colloid"**, *Journal of Plastic Film and Sheeting*, [JIF 2012 : 1.222], Vol. 29, No. 2, Apr, 2013, pp. 144 - 162.
23. Rattanapol Panomwan Na Ayuthaya, Pichai Namprakai, and Wirut Ampun, 2013, **"The Thermal Performance of an Ethanol Solar Still With Fin Plate to Increase Productivity"**, *Renewable Energy*, [JIF 2012 : 2.989], Vol. 54, No. 2013, Jun, 2013, pp. 227 - 234.
24. Sahatorn Naovaratpong, Itsda Boonyaroonate, and Adisak Nathakaranakule, 2013, **"Achieving Plasma Density Control in a Dielectric Barrier Discharge (DBD) Cell by Using a Laser Engraved Pattern"**, *Lasers in Engineering*, [JIF 2012 : 0.469], Vol. 26, No. 5 - 6, 2013, pp. 401 - 410.
25. Samroeng Netpu and Panya Srichandr, 2013, **"Failure of a Helical Gear in a Power Plant"**, *Engineering Failure Analysis*, [JIF 2012 : 0.855], Vol. 32, No. 2013, Sep, 2013, pp. 81 - 90.
26. Sithipong Mahathanabodee, Tippaban Palathai, Surapol Raadnui, Ruangdaj Tongsri, and Narongrit Sombatsompop, 2013, **"Effects of Hexagonal Boron Nitride and Sintering Temperature on Mechanical and Tribological Properties of SS316L/h-BN Composites"**, *Materials and Design*, [JIF 2012 : 2.913], Vol. 46, No. 2013, Apr, 2013, pp. 588 - 597.
27. Somchai Udon, Panya Srichandr, and Kawee Srikulkit, 2013, **"Properties of Basic Dyes on Polyacrylonitrile Treated M - Aramid Fabrics"**, *Fibers and Polymers*, [JIF 2012 : 0.912], Vol. 14, No. 5, May, 2013, pp. 736 - 742.
28. Sulaksana Mongkon, Sirichai Thepa, Pichai Namprakai, and Naris Pratinthong, 2013, **"Cooling Performance and Condensation Evaluation of Horizontal earth Tube System for the Tropical Greenhouse"**, *Energy and Buildings*, [JIF 2012 : 2.679], Vol. 66, No. 2013, Nov, 2013, pp. 104 - 111.

29. Suntud Sirianuntapiboon, 2013, "**Effect of the Dilution Rate and Hydraulic Retention Time on the Efficiency of the Sequencing Batch Reactor (SBR) System With Electroplating Wastewater**", *Journal of Environmental Chemical Engineering*, Vol. 1, No. 4, Dec, 2013, pp. 786 - 794.
30. Suntud Sirianuntapiboon and Kanidta Chairattanawan, 2013, "**Effects of Some Operating Parameters on the Efficiency of a Sequencing Batch Reactor System for Treatment of Textile Wastewater Containing Acid Dyes**", *Desalination and Water Treatment*, [JIF2012 : 0.852], Vol. 50, No. 1 - 3, Dec, 2012, pp. 206 - 219.
31. Suntud Sirianuntapiboon and Sudarat Chumlaong, 2013, "**Effect of Ni<sup>2+</sup> and Pb<sup>2+</sup> on the Efficiency of Packed Cage Rotating Biological Contactor System**", *Journal of Environmental Chemical Engineering*, Vol. 1, No. 3, Sep, 2013, pp. 233 - 240.
32. Taswal Kumpeerapum, Joseph Kledari, Jongjit Hirunlabh, Belkacem Zighmati, and Hubert Scherrer, 2013, "**Low - Cost Thermoelectric Module Attic Ventilation**", *International Journal of Ventilation*, [JIF 2012 : 0.224], Vol. 12, No. 3, Dec, 2013, pp. 235 - 247.
33. Tawich Pulngern, Atichart Chimkhilai, Vichai Rosarpitak, and Narongrit Sombatsompop, 2013, "**Analytical, Numerical and Experimental Investigations on Flexural Strengthening for Wood/ PVC Composite Members Using Flat Bar Strips**", *Construction and Building Materials*, [JIF 2012 : 2.293], Vol. 41, No., Apr, 2013, pp. 545 - 556.
34. Teerasak Markpin, Nongyao Premkamolnetr, Santi Ittiritmeechai, Chatree Wongkaew, Wutthisit Yochai, Preeyanuch Ratchatahirun, Janjit lamchaturapatr, Worsak Kanok - Nukulchai, Ing Bing Lee, and Narongrit Sombatsompop, 2013, "**The Effect of Choice of Database and Data Retrieval Methods on Research Performance Evaluations of Universities** ", *Online Information Review*, [JIF 2012 : 0.939], Vol. 37, No. 4, Jul - Aug, 2013, pp. 1 - 15.

35. Thanit Swasdisevi, Sakamon Devahastin, Suchart Thanasookprasert, and Somchart Soponronnarit, 2013, "**Comparative Evaluation of Hot-Air and Superheated-Steam Impinging Stream Drying as Novel Alternatives for Paddy Drying**", *Drying Technology, [JIF 2012 : 1.814]*, Vol. 31, No. 6, 2013, pp. 717 - 725.
36. Thanyalak Taengchum, Surapong Chirarattananon, Robert H.B. Exell, Kuskana Kubaha, and Pipat Chaiwiwatworakul, 2013, "**A Study on a Ventilation Stack Integrated with a Light Pipe**", *Applied Thermal Engineering, [JIF 2012 : 2.127]*, Vol. 50, No. 1, Jan, 2013, pp. 546 - 554.
37. Wasina Thakhiew, Sakamon Devahastin, and Somchart Soponronnarit, 2013, "**Physical and Mechanical Properties of Chitosan Films as Affected by Drying Methods and Addition of Antimicrobial Agent**", *Journal of Food Engineering, [JIF 2012 : 2.276]*, Vol. 119, No. 1, Nov, 2013, pp. 140 - 149.
38. Wunpen Chonkaew, Narongrit Sombatsompop, and Witold Brostow, 2013, "**High Impact Strength and Low Wear of Epoxy Modified By a Combination of Liquid Carboxyl Terminated Poly (Butadiene - Co - Acrylonitrile) Rubber and Organoclay**", *European Polymer Journal, [JIF 2012 : 2.562]*, Vol. 49, No. 6, Jun, 2013, pp. 1461 - 1470.

## National Journals

1. Boonsom Jitsoponpanya, Rattanachai Pairintra, and Kaokanya Sudaprasert, 2013, "**Study of Biogas Production from Expired Milk**", *Agricultural Sci. J.*, Vol. 44, No. 2, May - Aug, 2013, pp. 373 - 376.
2. Jiranan Jingjit and Chullapong Chullabodhi, 2013, "**Study on Post - Combustion Carbon Capture Using Amine Solvent from Coal - Fired Power Plants in Thailand**", *Engineering Journal Chiang Mai University, (TCI Data)*, Vol. 20, No. 2, May - Aug, 2013,
3. Khattiya Sukprasert, Pojanie Khummongkol, and Suwimol Asavapisit, 2013, "**Concentrations and Types of Organic Acids in Urban and Sakaerat Biosphere Forest**", *SDU Research Journal Sciences And Technology*, Vol. 6, No. 1, Jan - Apr, 2013, pp. 49 - 58.
4. Kultida Sawangpol, Warunee Tia, and Pawinee Chairprasert, 2013, "**A Feasibility Study of Power Generation Using Biogas from Cellulosic Materials**", *KMUTT Research and Development Journal, [JIF2012 : 0.189]*, Vol. 36, No., Oct - Dec, 2013,
5. Nattawut Setkit, Warunee Tia, and Somchart Soponronnarit, 2013, "การประเมินศักยภาพและเทคโนโลยีการผลิตเชื้อเพลิงเหลวจากมวลชีวภาพในประเทศไทย", *The Journal of The Royal Institute of Thailand*, Vol. 38, No. 3, Jul - Sep, 2013, pp. 73 - 90.
6. Nisakorn Meechan, Pojanie Khummongkol, and Soydoa Vinitnantharat, 2013, "**Evaluation of Wet and Dry Acid Deposition by Natural Method Over the Sakaerat Biospheric Forest**", *SDU Research Journal Sciences And Technology*, Vol. 6, No. 2, Jul - Dec, 2013, pp. 49 - 58.
7. Piti Pita and Warunee Tia, 2013, "**Analysis of Energy Consumption and Carbon Dioxide Emission of Rail Transport in Thailand**", *Engineering Journal Chiang Mai University, (TCI Data)*, Vol. 20, No. 2, May - Aug, 2013,



8. Poomjai Saartchom, Thanit Swasdisevi, Tassana Thomthong, Patipol Smuttarin, and Somchart Soponronnarit, 2013, "**Drying of Ground Fish Slices Using Superheated Steam**", *RMUTP Research Journal, [JIF2012 : 0.036]*, Vol. 7, No. 2, Sep ,2013, pp. 1 - 14.
9. Rattapong Poonpet, Rattanachai Pairintra, and Kaokanya Sudpraseart, 2013, "**Study of Biodiesel Production Using Alcohol Obtained from Distillation Glycerin with Seashell and Egg Shells as Catalyst**", *Agricultural Sci. J.*, Vol. 44, No. 2, 2013, pp. 369 - 372.
10. Sumol Sae-Heng and Thanit Swasdisevi, 2013, "**Modelling of Natural Ventilation System in a Commercial Building with Air Grille**", *Engineering Journal Chiang Mai University, (TCI Data)*, Vol. 19, No. 1, May, 2013, pp. 87 - 100.
11. Wathu Kongsut, Pojanie Khummongkol, and Soydoa Vinitnantharat, 2013, "**A Study of Compostion of Trace Elements in Urban and Remote Areas**", *SDU Research Journal Sciences And Technology*, Vol. 6, No. 1, Jan - Apr, 2013, pp. 59 - 72.

## International Conferences

1. Apisit Kositchaiyong and Narongrit Sombatsompop,2013. "**Inhibition of Fungal Growth and Material Characteristics of PVC and Wood/PVC Composites Doped with Fungicides**". *The 4th International Conference on Multi - Functional Materials and Structures (MFMS 2013)*, July, 14 -17, 2013, Sathorn - Taksin, Bangkok Thailand, Advanced Materials Research, pp., 343 - 346.
2. Ariya Sributr, Atthapong Gitchaiwat, Apisit Kositchaiyong, Savaeng Techangamvong, Weawboon Yamsaengsung, and Narongrit Sombatsompop,2013. "**Anti - Bacterial Efficacies and Discolorations of Polypropylene doped with HPQM based Water Solution and Neusilin**". *Advanced Materials Research*, 2014, Trans Tech Publications, Switzerland, pp., 501 - 504.
3. Arkom Palamanit, Somchart Soponronnarit, Somkiat Prachayawarakorn, and Patcharee Tungtrakul,2013. "**Top - Spray Fluidized Bed Coater Performance for Coated Rice**". *6th TSAE International Conference : TSAE 2013*, Apr 1 - 4, 2013, Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 112 - 118.
4. Arup Kumar Biswas, Boonrod Sajjakulnukit, and Pattana Rakkwamsuk,2013. "**Subsidy Policy Instruments for Rapid Growth of Photovoltaic Electricity Generation in Bangladesh**". *International Conference on Alternative Energy in Developing Countries and Emerging Economies (2013 AEDCEE)*, 2013, Pullman Bangkok King Power Hotel, Bangkok,Thailand, pp., 171 - 176.
5. Benjawan Mahittirook, Janthana Kunchornrat, and Nat Kasyapanand,2013. "**The Structure of Rural Household Energy Consumption and Renewable Energy Potential in Lam Nam Nan Self Supporting Settlement, Uttaradit Province, Thailand**". *APEC Conference on Low carbon Towns and Physical Energy Storage*, May 25 - 26, 2013, Changsha, Hunan, China, pp., 1 - 10.

6. Bhawan Muangwaeng, Surasit Rojananan, and Siriporn Rojananan,2013. "**The Effect of Injection Parameters on Morphology in Metal Injection Moulding**". *Advanced Materials Research*, 2013, Trans Tech Publication, Switzerland, pp., 174 - 178.
7. Chaiwat Rattanamechaiskul, Somchart Soponronnarit, Somkiat Prachayawarakorn, and G. Srzednickic,2013. "**Characteristics of Starch Gelatinization Inside Rice Kernel during Fluidized Bed Drying**". *The 3rd International Symposium on Engineering, Energy and Environments*, Nov 17 - 20, 2013, Pullman King Power Hotel, Bangkok: , pp., 10 - 15.
8. Chana Prapruddivongs and Narongrit Sombatsompop,2013. "**Biodegradation and Anti-bacterial Properties of PLA and Wood/PLA Composites Incorporated with Zeomic Anti-bacterial Agent**". *Advanced Materials Research*, 2013, p. 747.
9. Chitsupree Katathikankul, Savaeng Techangamvong, Ekachai Wimolmala, Piyaporn Niltui, Sirichai Kanking, and Narongrit Sombatsompop,2013. "**Antibacterial Ability of HPQM base Neusilin / Natural Rubber Reinforced with Carbon Black**". *The 4th International Conference on Multi - Functional Materials and Structures*, Jul 14 - 17, 2013, The Eastin Grand Hotel Sathorn, Bangkok, Thailand, pp., 455 - 458.
10. Chomphunut Chaiyakhot, Roongrojana Songprakorp, and Kaokanya Sudaprasert,2013. "**A Parametric Study of Heat Generation in Lithium Battery**". *Burapha University International Conference 2013*, Jul 4 - 6, 2013, Burapha University, Thailand, p. 6 pages.
11. Chonlada Raikham, Somkiat Prachayawarakorn, Adisak Nathakaranakule, and Somchart Soponronnarit,2013. "**Effects of Process Parameters on Puffed Bananasnack Quality**". *6th TSAE International Conference : TSAE 2013*, Apr 1 - 4, 2013, Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 166 - 169.

12. Chutima Watthusinhu and Siriluk Chiarakorn,2013. "**Assessment of Hydrofluorocarbon Emission Factors from Air Conditioning in Thailand**". *International Conference on Southeast Asian Weather and Climate (ICSA WC)*, Nov 27 -29, 2013, Le meridien Convention Hall, Chiang Mai, Thailand, p. 8 Pages.
13. Daranee Suksongkarm, Siriporn Rojananan, and Surasit Rojananan,2013. "**Microstructure and Hardness of Cu - Zn - Si - Ai - Sn Brasses with Antimony Addition**". *Advanced Materials Research*, 2013, Trans Tech Publication, Switzerland, pp., 179 - 183.
14. Jirasak Tharajak, Tippaban Palathai, and Narongrit Sombatsompop,2013. "**Scratch Resistance and Adhesion Properties of PEEK Coating Filled with h - BN Nanoparticles**". *Advanced Materials Research*, 2013, Trans Tech Publications, Switzerland, pp., 303 - 306.
15. Jutharat Chiewwattanakul and Nakorn Srisukhumbowornchai,2013. "**Effect of Deposition Angles on Crystallographic Texture of Cu Thin Films Prepared by DC Magnetron Sputtering**". *Materials Processing Technology 2013*, Jun 27-28, 2013, Grand Centre Point Hotel & Residence Sukhumvit - Terminal 21 Bangkok, Thailand, pp., 130 - 133.
16. Kan Khoomsab and Pojanie Khummongkol,2013. "**Micrometeorological Technique for Estimation of Nitrate Dry Deposition Over Forest in Tropical Climatology**". *Advanced Science Letters*, Nov, 2013, pp., 2815 - 2817.
17. Kiatkachorn Worapradya and Purit Thanakijkasem,2013. "**Uncertainty Analysis in Robust Scheduling Problem : Case Study in Steel Making Continuous Casting Plant**". *ASIAN Simulation and Modeling*, Jan 9 - 21, 2013, Bangkok, pp., 55 - 64.
18. Kittipong Kunchariyakun, Suwimol Asavapisit, and Kwannate Sombatsompop,2013. "**The Effect of Rice Husk Ash on Properties of Aerated Concrete**". *Advanced Materials Research*, 2013, Trans Tech Publications, Switzerland, pp., 420 - 423.

19. Kittiya Sittisak, Soydoa Vinitnantharat, Sasidhorn Buddhawong, and Sivawan Phoolphundh, 2013. "**Effect of Kaolin Amenment on Compost Properties and Nutrient Retention**". *IEEC - International Environmental Engineering Conference 2013*, Jun 11 - 13, 2013, Coex, Seoul, Korea, pp., 1 - 4.
20. Kodchanipa Ruksawong, Roongrojana Songprakorp, and Veerapol Monyakul, 2013. "**Effect of Magnetic and Electric Fields on Relative Humidity and Temperature of Bulk Water and in Nafion Membrane**". *International Conference on Life Science & Biological Engineering*, 15 - 17 Mar, 2013 Tokyo, Japan, p. 1370.
21. Manchulee Matchika, Kaokanya Sudaprasert, Kornkanok Aryusuk, and Kanit Krisnangkura, 2013. "**Catalytic Activities of Alkaline Metal Hydroxides on Biodiesel Production**". *Pure and Applied Chemistry International Conference 2013 (PACCON 2013)*, Jan 23 - 25, 2013, Bangsaen Chonburi, Thailand, pp., 1101 - 1103.
22. Mati Nararom, Sirichai Thepa, Jirasak Kongkiattikajorn, and Roongrojana Songprakorp, 2013. "**Bacteria Disinfection by Solar Energy and Photocatalysis**". *The 6th International Conference : TSAE 2013*, 1 - 4 Apr, 2013, Huahin Grand Hotel & Plaza, Prajobkerekan, Thailand, pp., 45 - 47.
23. Naparat Waijarean, Suwimol Asavapisit, Kwannate Sombatsompop, and K.J.D.MacKenzie, 2013. "**The Effect of Si / Al Ratios on Properties of Geopoly Preparede from Water Treatment Residue (WTR) Containing Heavy Metals**". *The 8th GMSARN International Conference on Green Growth in GMS : Energy, Environmental and Social Issues*, Dec 18 - 19, 2013, Sedona Hotel, Myanmar, pp., 1 - 6.

24. Naparat Waijarean, Suwimol Asavapisit, Kwannate Sombatsompop, and K.J.D.MacKenzie,2013. "**The Effect of Si / Al Ratio on the Properties of Water Treatment Residue (WTR) - Based Geopolymers**". *International Conference on Traditional and Advanced Ceramics 2013 (ICTA2013) in Conjunction with ASEAN CERAMICS 2013* Sep 11 - 13, 2013, Bangkok International Trade & Exhibition Centre (BITEC), Bangkok, Thailand p. 1 Page.
25. Naranchala Khumlaitong and Janthana Kunchornrat,2013. "**Renewable Energy And Appropriate Technology Perception in Rural Community in Thailand**". *APEC Conference on Low - carbon Towns and Physical Energy Storage*, May 25 - 26, 2013, Changsha,Hunan,China, pp., 1 - 6.
26. Narumon Seeponkai, Phapada Khunsriya, Jatuphorn Wootthikanokkhan, and Chanchana Thanachayanont,2013. "**Morphology and Conductivity of Electrospun Dehydrochlorinated PVC Nanofibers**". *The 4th International Conference on Multi - Functional Materials and Structure (MFMS2013)*, Jul 14 - 17, 2013, The Eastin Grand Hotel Sathorn, Advanced Materials Research, pp., 317 - 320.
27. Nattawoot Rattanathamwat, Jatuphorn Wootthikanokkhan, Nonsee Nimitsiriwat, Chanchana Thanachayanont, and Udom Asawapirom,2013. "**Feasibility for Enhancing Power Conversion Efficiency of P3HT / C60 Polymer Solar Cell by Adding Donor - Acceptor Block Copolymer as a Compatibilizer**". *The 4th International Conference on Multi - Functional Materials and Structure (MFMS2013)*, Jul 14 - 17, 2013 The Eastin Grand Hotel Sathorn, Advanced Materials Research, pp., 313 - 316.
28. Nawarat Worauaychai, Nuchthana Poolthong, Pairotch Kruytong, and Ruangdaj Tong Sri, 2013, "**Ultrafine TiC - Based Cernets in Dry Turning Application**", *World Academy of Science, Engineering and Technology*, Vol. 2013, No. 78, 2013, pp. 1 - 2.

29. Pakawadee Sirilar, Nakorn Srisukhumbowornchai, Purit Thanakijkasem, and Sirisoontorn S,2013. **"Influence of Replacing Pottery Stone to Kaolinitic - Clays on Technological Properties of Vitreous Sanitaryware Bodies "**. *13th International Conference of the European Ceramic Society*, Jun 23 - 27, 2013, Ester Technopole, Limoges, France, p. 754.
30. Panusak Moonsri, Janthana Kunchornrat, and Pichai Namprakai,2013. **"Development of a Solar Thermal Water Pump with Air - Water Vapour"**. *The 26th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems*, Jul 16 - 19, 2013, Guilin, China, pp., 1 - 26.
31. Parichat Yotkaew, Narongrit Sombatsompop, Apisit Kositchaiyong, and Ekachai Wimolmala,2013. **"Use of Natural and Synthetic Fibers as Co - Reinforcing Agents on Abrasive Wear Behavior and Flexural Strength of Wood / PVC Composites"**. *The 4th International Conference on Multi - Functional Materials and Structure IV*, Jul 14 - 17, 2013, The Eastin Grand Hotel Sathorn, Bangkok, Thailand, pp., 347 - 350.
32. Patsaporn Pongmalai, Sakamon Devahastin, Naphaporn Chiewchan, and Somchart Soponronnarit,2013. **"Effect of Ultrasonic Pretreatment on Extractability of Glucosinolates from Cabbage Outer Leaves"**. *6th TSAE International Conference : TSAE 2013* Apr 1 - 4, 2013, Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 119 - 122.
33. Pattamon Phanviriyakul, Napachat Tareelap, Nandh Thavarungkul, Choochat Nitipanyawong, and Nakorn Srisukhumbowornchai,2013. **"Preparation of "Green" Microcapsules for Corrosion Protection : Linseed Oil Encapsulated PF Microcapsules"**. *Advanced Materials Research*, 2013, Trans Tech Publications, Switzerland, pp., 686 - 689.
34. Pawinee Suksuntornsiri, Paiboon Limpitipanich, Warunee Tia, and Bundit Limpitipanich,2013. **"Embodied Primary Energy and CO2 Emission Intensity in Thai Commodities Based on PDP2010 : An Input - Output Analysis"**. *6th Aun / Seed - Net Regional Conference on Energy Engineering (RCEnE) 2013*, Sep 6 - 7, 2013, Aula Timur Institut Teknologi Bandung, Bandung, Indonesia

35. Phawinee Wathusinthu and Pojanie Khummongkol,2013. "**Contribution of Organic Acids and Concentrations on Acids Deposition**". *ICSSS 2013, THE 3rd International Conference on Sciences and Socail Sciences 2013*, Jul 18 - 19, 2013, Rajabhat Maha Sarakham University, Maha Sarakham, Thailand, pp., 343 - 352.
36. Phetrada Pinwisat, Sivawan Phoolphundh, Sasidhorn Buddhawong, and Soydoa Vinitnantharat,2013. "**Effect of Surfactant - Coated Charcoal Amendment on the Composting Process and Nutrient Retention**". *IEEC - International Environmental Engineering Conference 2013*, Jun 11 - 13, 2013, Coex, Seoul, South Korea, p. 2 pages.
37. Phuvasa Chanonmuang and Pojanie Khummongkol,2013. "**Total Sulfur Deposition Over Forest in Tropical Climatology, Thailand**". *Acsee 2013, The Asian Conference on Sustainability Energy & Environment*, Jun 6 - 9, 2013, The Ramada Osaka, Osaka, Japan, pp., 1 - 10.
38. Phuvasa Chanonmuang and Pojanie Khummongkol,2013. "**Evaluation of Sulfur Dioxide and Particulate Sulfate Dry Deposition Velocity Using Relax Eddy Accumulation Method Over Tropical Forests, Thailand**". *The 2nd International Conference on Environmental Pollution, Restoration, and Management*, Mar 4 - 8, 2013, Hanoi University of Science, Hanoi, Vietnam, p. 4 Pages.
39. Pichayada Premwijitr, Sasidhorn Buddhawong, Soydoa Vinitnantharat, and Sivawan Phoolphundh,2013. "**Land Use Management for Tourism on Don Hoi Lot Area**". *The 39th Congress on Science and Technology of Thailand*, Oct 21 - 23, 2013, BITEC Bangkok, Thailand, pp., 1 - 5.
40. Pimpan Pruengam, Somchart Sophonronnarit, Somkiat Prachayawarakorn, and Sakamon Devahastin,2013. "**Strategies for Parboiled Paddy Dehydration Using Impinging Stream Dryer**". *The 3rd International Symposium on Engineering, Energy and Environments* Nov 17 - 20, 2013 Pullman King Power Hotel, Bangkok, p. 7 Pages.



41. Pimpan Pruengam, Somkiat Prachayawarakorn, Sakamon Devahastin, and Somchart Soponronnarit,2013. "**Drying of Parboiled Paddy Using an Impinging Stream Dryer**". *6th TSAE International Conference : TSAE 2013* Apr 1 - 4, 2013, Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 127 - 130.
42. Pisit Saetan, Naris Pratinthong, and Thanit Swasdisevi,2013. "**Effect of Low Pressure and Temperature in a Combined Vacuum and Far - Infrared Dryer on the Qualities of Turmeric Slice**". *The 3rd International Symposium on Engineering, Energy and Environments*, Nov 17 - 20, 2013, Pullman King Power Hotel, Bangkok, p. 1 Page.
43. Piyachart Thateenaranon, Jongjit Hirunlabh, K. Sudasna, Mana Amornkitbamrung, Joeseft Khedari, and J. Waewsak,2013. "**Field Measurements of Lab - Scale Bio Climatic House**". *2013 International Conference on Alternative Energy in Developing Countries and Emerging Economies*, May 30 - 31, 2013, Pullman Bangkok King Power Hotel, Bangkok Thailand, pp., 768 - 772.
44. Piyachart Thateenaranon, Jongjit Hirunlabh, Krichkanok Sudasna, Mana Amornkitbamrung, Joseph Khedari, and Vorakamol Boonyayotin,2013. "**The Comparison of Thermal Performance Between a Bio Climatic House and a Typical House**". *The 3rd International Symposium on Engineering, Energy and Environments*, Nov 17 - 20, 2013, Pullman King Power Hotel, Bangkok, Thailand, pp., 661 - 666.
45. Piyaporn Niltui, Sirichai Kanking, Savaeng Techangamvong, Ekachai Wimolmala, and Narongrit Sombatsompop,2013. "**Antibacterial Efficacy and Mechanical Properties of Silica Reinforced Natural Rubber (NR) with HPQM based Neusilin**". *The 4th International Conference on Multi - Functional Materials and Structures*, Jul 14 - 17, 2013, The Eastin Grand Hotel Sathorn, Bangkok, Thailand, pp., 451 - 454.

46. Piyawara Pakdeepol, Jongjit Hirunlabh, Pichai Namprakai, Sirichai Thepa, Mana Amornkitbamrung, Vorakamol Boonyayotin, and Joseph Khedari,2013. "**Social Acceptance of Solar Energy Applications in Household and Communities for Thailand**". *2013 International Conference on Alternative Energy in Developing Countries and Emerging Economies*, May 30 - 31, 2013, Pullman Bangkok King Power Hotel, Bangkok, Thailand, pp., 763 - 767.
47. Pongporn Moonchaleanporn, Nuchthana Poolthong, and Ruangdaj Tongstri,2013. "**Fabrication of Porous Titanium Bone Scaffolds**". *International Conference on Materials Processing Technology*, Jun 27 - 28, 2013, Grande Centre Point Hotel & Residence, Bangkok, Thailand, pp., 230 - 234.
48. Pratarn Wongsarivej, Kanawut Srirahong, and Thanit Swasdisevi,2013. "**Experimental Investigation of De - Oiling Hydrocyclone**". *Key Engineering Materials*, Aug 1 - 31, 2013, Switzerland, pp., 230 - 235.
49. Ranida Panthong, Pattana Rakkwamsuk, and Siriluk Chiarakorn,2013. "**Greenhouse Gas Emission from Condominium Construction in Thailand**". *International Conference on Southeast Asian Weather and Climate "Asean Adapting to Climate Change"*, Nov 29, 2013, Le Meridien Conventional Hall, Chiang Mai, Thailand, pp., 2 - 6.
50. Sarawut Nabnean, Sirichai Thepa, and Serm Janjai,2013. "**Sorption Isotherm of Osmotic Dehydration of Cherry Tomato**". *5th International Science, Social Science, Engineering and Energy Conference*, Dec 18 - 20, 2013, Pavilion Rim Kwai Resor, Kanchanaburi, Thailand, pp., 219 - 224.
51. Sarthit Toolthaisong and Nat Kasyapanand, 2013, "**Effect of Attack Angles on Air Side Thermal and Pressure Drop of the Cross Flow Heat Exchangers with Staggered Tube Arrangement**", *Energy Procedia*, Vol. 34, No. 2013, 2013, pp. 417 - 429.

52. Sasidhorn Buddhawong, Supawadee Noinamsai, and Soydoa Vinitnantharat,2013. "**Nitrate and Phosphate Adsorption by Water Treatment Sludge Granule Coating with Cationic Surfactant and Chitosan**". *The 39th Congress on Science and Technology of Thailand*, Oct 21 - 23, 2013, BITEC Bangkok, Thailand, pp., 1056 - 1060.
53. Sasiworada Puathawee, Siriporn Rojananan, and Surasit Rojananan,2013. "**Lead - Free Cu - Si - Zn Brass with Tin Addition**". *Advanced Materials Research*, 2013, Trans Tech Publication, Switzerland, pp., 169 - 173.
54. Sirintip Juntueng, Sirintornthep Towprayoon, and Siriluk Chiarakorn,2013. "**Greenhouse Gas Mitigation Potential and Abatement Cost for Industrial Process Sectors in Thailand**". *The 2nd International Conference on Engineering and Applied Science (2013 ICEAS)*, Mar 15 - 17, 2013, Toshi Center Hotel, Tokyo, Japan, pp., 1002 - 1014.
55. Sirintra Jitchoom, Siriporn Rojananan, and Surasit Rojananan,2013. "**Influence of Aluminium on the Color, Microstructure and Hardness of White Alloys**". *Advanced Materials Research*, 2013, Trans Tech Publication, Switzerland, pp., 159 - 163.
56. Siriorn Isarankura Na Ayutthaya and Jatuphorn Wootthikanokkhan,2013. "**Extraction of Keratin from Chicken Feather and Electrospinning of the Keratin / PLA Blends**". *The 4th International Conference on Multi - Functional Materials and Structure (MFMS2013)*, Jul 14 - 17, 2013, The Eastin Grand Hotel Sathorn, Advanced Materials Research pp., 711 - 714.
57. Sithipong Mahathanabodee, Tippaban Palathai, Surapol Raadnui, Ruangdaj Tongsri, and Narongrit Sombatsompop,2013. "**Comparative Studies on Wear Behaviour of Sintered 316L Stainless Steels Loaded with h - BN and MoS 2**". *Advanced Materials Research*, Jul 14 - 17, 2013, Trans Tech Publications, Bangkok, Thailand, pp., 307 - 310.

58. Somsak Meenakorn, Preecha Termsuksawad, and Sorraya Phiboonkulsumrit,2013. "**Effects of Carbon Black and Sodium Lignosulfonate in Expander on Capacity of Lead Electrode**". *Pure and Applied Chemistry International Conference 2013* Jan 23 - 25, 2013, The Tide Resort, Bangsaen Beach, Chon Buri, Thailand, pp., 1 - 4.
59. Sudkad Changkrachang, Ratsuda Borirak, Sasikorn Songkow, Nakorn Srisukhumbowornchai, and Preecha Termsuksawad,2013. "**TQM Application in KMUTT : The Beginning**". *International Confernce on QA Culture : Cooperation or Competition*, Nov 7 - 8, 2013, BITEC, Bangkok, Thailand p. 1 Page.
60. Sudthida Intapon and Janthana Kunchornrat,2013. "**Long Term Energy Demand Projection of Samut Songkhram Province - a Tourism Town in Thailand**". *APEC Conference on Low - carbon Towns and Physical Energy Storage*, May 25 - 26, 2013, Changsha, Hunan, China, pp., 1 - 6.
61. Suphansa Funglo and Siriluk Chiarakorn,2013. "**Carbon Footprint for an Organization : CaseStudy in the President Office Building, King Mongkut's University of Technology Thonburi, Thailand**". *International Conference on Southeast Asian Weather and Climate "Asean Adapting to Climate Change"*, Nov 27 - 29, 2013, Le Meridien Convention Hall, Chiang Mai, Thailand, p. 1 Page.
62. Thatchapol Chungcharoen, Somkiat Prachayawarakorn, Somchart Soponronnarit, and G.Srzednicki,2013. "**Optimum Germination Condition for Producing Parboiled Brown Rice of Langi Rice Variety**". *The 3rd International Symposium on Engineering, Energy and Environments*, Nov 17 - 20, 2013, Pullman King Power Hotel, Bangkok pp., 16 - 21.
63. Theerasak Srimitrungroj, Somchart Soponronnarit, Somkiat Prachayawarakorn, and Adisak Nathakaranakule,2013. "**Effect of Humidified Hot Air Fluidized - Bed Drying on Quality of Partial Parboiled Rice**". *6th TSAE International Conference : TSAE 2013*, Apr 1 - 4, 2013, Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 131 - 133.

64. Theerawut Jinaym, Narong Mungkung, and Nat Kasayapanand,2013. "**Utilization of Photovoltaic for Broadband Satellite Communications in Rural Area of Thailand**". *ICPS 2013 : International Conference on Photonics Solutions*, Jun 7, 2013, Pattaya City, Chonburi, Thailand, p. 1 Page.
65. Thianmanee Mungmoon, Roongrojana Songprakorp, and Kaokanya Sudaprasert,2013. "**Half - Cell Reaction of Bienzyme - Based Glucose Boo Cathode Using Methylene Blue and Multiwall Carbon Nanotube on Modified Screen - Printed Electrode**". *3rd International Conference on Ecological, Environmental and Biological Sciences (ICEEBS' 2013)*, Apr 29 - 30, 2013, Singapore, pp., 259 - 262.
66. Thossaporn Pongklang, Dhirayut Chenvidhya, Krissanapong Kirtikara, Surawut Chuangchote, and Nitikorn Silsirivanich,2013. "**Voltage and Frequency Dependent Impedances of Dye - Sensitized Solar Cell**". *2013 International Conference on Alternative Energy in Developing Countries and Emerging Economies* May 30 - 31, 2013 Pull man Hotel, Bangkok, Thailand, pp., 1 - 5.
67. Weera Sriariyakul, Thanit Swasdisevi, Sakamon Devahastin, and Somchart Soponronnarit,2013. "**Electrohydrodynamic and Far - Infrared Assisted Drying of Aloe Vera**". *6th TSAE International Conference : TSAE 2013* Apr 1 - 4, 2013, Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 134 - 138.
68. Weera Sriariyakul, Thanit Swasdisevi, Sakamon Devahastin, and Somchart Soponronnarit,2013. "**Effects of Electrohydrodynamic and Far - Infrared Drying on Quality Characteristics of Aloe Vera (Aloe Barbadensis Miller)**". *Burapha University International Conference 2013*, Jul 4 - 5, 2013, Burapha University, Thailand, pp., 1 - 7.
69. Widtawad Reantong, Siriluk Chiarakorn, and Charmorn Chawengkijwanich,2013. "**Preparation of Visible Light Responsive Zr doped TiO<sub>2</sub> Nanoparticles by Sol - Gel Method at Ambient Temperature**". *The 2nd Annual PSU Phuket International Conference 2013*, Nov 14 - 15, 2013, Prince of Songkla University, Phuket Campus, pp., 98 - 104.

## National Conferences

1. Akrawut Kronyut, Pattana Rakkwamsuk, and Kuskana Kubaha,2013. "**Electrical Conservation and Development of Energy Management System for Public Building**". *5th RMUT NC & 4th RMUT IC*, Jun 15 - 16, 2013, Bangkok Convention Centre At : Centralworld, Pathumwan, Bangkok, pp., 1 - 13.
2. Anyarat Prasunjai, Siriporn Rojananan, and Surasit Rojananan,2013. "**Case Study of Failure Analysis on Brass Buddha Welding**". *51st Kasetsart University Annual Conference*, Feb 5 - 7, 2013, Kasetsart University, Bangkok, Thailand, pp., 68 - 75.
3. Anyarat Prasunjai, Siriporn Rojananan, and Surasit Rojananan,2013. "**Composition Development of Brass Wire for Part Welding**". *TRF - MAG Congress VII* Apr 2 - 3, 2013, Jomtien Palm Beach, Hotel and Resort, Pattaya, Chonburi, p. 1 page.
4. Apichat Sukkothai, Jirawan Tiansuwan, Worrasid Trutassanawin, Nandh Tharvarungkul, and Warunee Tia,2013. "**Thermal Efficiency Improvement of Steamed Mushroom Cabinet by Using Thermal Insulation from Local Natural Waste Materials**". *The 6th Thailand Renewable Energy for Community Conference*, Nov 13 - 15, 2013, Mahasarakham University, Thailand, pp., 436 - 444.
5. Ariya Sributr, Atthapong Gitichaiwat, Apisit Kositchaiyong, Waewboon Yamsaengsung, and Narongrit Sombatsompop,2013. "**Antibacterial Efficacies and Mechanical Properties of Polypropylene Doped with HPQM and Accelerated - UV Aging Effect**". *The 7th UBU Research Conference Proceeding : Oral Presentation*, Jul 25 - 26, 2013, Ubon Ratchathani University, p. 1 Page.
6. Atcharee Manakij and Soydoa Vinitnantharat,2013. "**A Study of Adsorbent Derived From Fired Mixture of Fly Ash and Surfactant for Acid Brown 75 Adsorption**". *The 5th The National Graduate Research Conference (NGRC)*, Aug 29, 2013, Ramkhamhaeng University, Bangkok, p. 7 Pages.

7. Atitaya Choodet, Karuna Toojinda, Chulsiri Sringampong, and Siriporn Rojananan,2013. **"Effect of Manganese on Mechanical Properties of Aluminum Bronzes"**. *51st Kasetsart University Annual Conference*, Feb 5 - 7, 2013, Kasetsart University p. 7 Pages.
8. Attakarn Jansasithorn, Naris Pratinthong, and Usa Boonbumroong,2013. **"Performance Evaluation of Pelton Turbine for High Head Application"**. *National Graduate Research Conference (NGRC 29)* Oct 24 - 25, 2013, Mae Fah Luang University, Chiang Rai, Thailand, p. 1 Page.
9. Augakarn Maneepawat, Naris Pratinthong, and Kaokanya Sudaprasert,2013. **"Drying of Para Rubber Using Heat Pump Driven by Internal Combustion"**. *The 2th National Conference : Yala Rajabhat University*, Aug 19, 2013, Yala Rajabhat University, p. 1 Page.
10. Bhawan Muangwaeng, Surasit Rojananan, and Siriporn Rojananan,2013. **"Feedstock Fabrication for Medical Device Injection Moulding"**. *TRF - MAG Congress VII*, Apr 2 - 3, 2013, Jomtien Palm Beach, Hotel and Resort, Pattaya, Chonburi, p. 1 Page.
11. Boonsom Jitsoponpanya, Rattanachai Pairintra, and Kaokanya Sudaprasert,2013. **"Study Production of Biogas from Expired Milk"**. *The 7th National Conference on Research and Development of Tropical and Sub - Tropical Crops*, Aug 1 - 2, 2013, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, p. 1 Page.
12. Chatchawan Tiaprapangkoon, Thanit Swasdisevi, Wirachai Soontornrangson, Sophon Promsuwan, Apichat Junsod, and Manoo Boonsae,2013. **"Study Effect of Distributor, Fluidizing Velocity and Bed Weight of Particles Inside Pilot - Scale Fluidized Bed Reactor"**. *9th Conference on Energy Network of Thailand (E - NETT 9)*, May 8 - 10, 2013, Cholakpruek Resort, Nakhon Nayok, pp., 942 - 948.

13. Chitsupree Katathikankul, Ekachai Wimolmala, Piyaporn Niltui, Sirichai Kanking, and Narongrit Sombatsompop,2013. "**Mechanical Properties and Antibacterial Ability of HPQM Based Neusilin / Natural Rubber Reinforced with Carbon Black Filler**". *Local Development Toward ASEAN : Research for Quality of Life*, Jul 25 - 26, 2013, อาคารเฉลิมพระเกียรติ 7 รอบ พระชนมพรรษา มหาวิทยาลัยอุบลราชธานี จังหวัดอุบลราชธานี, p. 1 Page.
14. Dutrudee Yuwananont, Naris Pratinthong, and Pichai Namprakai,2013. "**Performance Analysis of Self Circulation Water Pump in Solar Water Heater System**". *The 2th National Conference : Yala Rajabhat University*, Aug 19, 2013, Yala Rajabhat University, Thailand
15. Dutrudee Yuwananon, Naris Pratinthong, and Pichai Namprakai,2013. "**Sensitivity Analysis in Efficiency of the Solar Water Heater System Self - Circulated by a Steam Power**". *The 5th Rajamangala University of Technology Conference*, Jul 15 - 16, 2013, Rajamangala University of Technology, p. 12 Pages.
16. Harid Klongdee, Yuwapin Dandusitapunth, Jirawan Tiansuwan, Warunee Tia, and Nandh Tharvarungkul,2013. "**Feasibility Study of Ethanol Production Using Wild Sugarcane Asraw Material**". การถ่ายทอดพลังงานความร้อนและมวลในอุปกรณ์ด้านความร้อนและกระบวนการครั้งที่ 12, Mar 14 - 15, 2013, Imperial Golden Triangle Resort, Chang Rai, Thailand, pp., 241 - 245.
17. Jakrawat Jantarasombut, Siriporn Rojananan, and Surasit Rojananan,2013. "**Effect of Niobium on Structure and Mechanical Properties of Ti - Sn Alloys**". *IE Network Conference*, Oct 16 - 18, 2013, A - One the Royal Cruise Hotel, Pattaya, Chonburi, p. 6 Pages.
18. Jattawa Jansuwan, Pichai Namprakai, Jongjit Hirunlabh, and Tika Bunnag,2013. "**Optimal Design of Archimedes Screw for Micro Hydropower Generator**". *28th National Graduate Research Conference*, Jun 28 - 29, 2013, Assumption University, p. 5 Pages.



19. Jirawat Wutthayakorn, Sirichai Thepa, and Roongrojana Songprakorp,2013. "**The Study of Flow and Temperature in the Hot Water Tank of Solar Hot Water System**". *The 10th KU - KPS Conference*, Dec 6 - 7, 2013, Kasetsart University Kamphaeng Sean Campus, Nakhon Pathom, Thailand, pp., 300 - 308.
20. Jutharat Chiewwattanakul and Nakorn Srisukhumbowornchai,2013. "**Effects of Deposition Angle on Structure and Electrical Properties of Cu Thin Films Prepared by DC Magnetron Sputtering**". *Suan Dusit National Conference : Science Researcher Day 2013* Mar 14, 2013, Hall ชั้น2 อาคารเฉลิมพระเกียรติ 50 พรรษา มหาวิชราลงกรณ์ และห้องบรรยาย กลุ่มย่อยคณะวิทยาศาสตร์และเทคโนโลยี ถนนสีรินทร, pp., 295 - 298.
21. Kanokwan Uewisatewattana, Kuskana Kubaha, and Adisak Nathakaranakule,2013. "**Energy Efficiency Enhancement of the Refrigeration Cycle in Frozen Seafood Factory**". *9th Conference on Energy Network of Thailand*, May 8 - 10, 2013, Cholapruek Resort, Nakhon Nayok, pp., 507 - 512.
22. Khattiya Sukprasert, Pojanie Khummongkol, and Suwimol Asavapisit,2013. "**Concentrations and Types of Organic Acids in Urban and Sakaerat Biosphere Forest**". *Suan Dusit National Conference : Science Researcher Day 2013*, Mar 14, 2013, Suan Dusit Rajabhat University, pp., 142 - 147.
23. Kitti Orasoon, Mana Amornkitbamrung, and Teerapatr Srinorakotara,2013. "**Evaluation of the Effect of Time, Solid Substrate Concentration and NaOH Concentration on Rice Straw Composition Using Response Surface Methodology (RSM)**". *E - NETT 9*, May 8 - 10, 2013, Cheolapruek Resort, Nakornnayok, p. 1 Page.
24. Kittituch Thanompongchart, Jirawan Tiansuwan, and Thibordin Sangsawang,2013. "**Performance and Emissions of Indirect Injection Diesel Engine Fuelled by Biodiesel - Ethanol Blends**". การถ่ายทอดพลังงานความร้อนและมวลในอุปกรณ์ด้านความร้อนและการบวนการ ครั้งที่ 12, Mar 14 - 15, 2013, Imperial Golden Triangle Resort, Chang Rai, Thailand, pp., 270 - 274.

25. Kraison Ninlaart, Jirawan Tiansuwan, and Thibordin Sangsawang,2013. "**The Experiment Study of Performances and Emissions of Low - Speed Fishery Diesel Engine with Crude Vegetable Oil Blended**". *The 6th Thailand Renewable Energy for Community Conference*, Nov 13 - 15, 2013, Mahasarakham University, Mahasarakham, Thailand, p. 8 Pages.
26. Kringkrai Chalermtrumrong, Pichai Namprakai, and Naris Pratinthong,2013. "**Steam Driven Water Pump Using Waste Heat Recovery**". *The 10th KU - KPS Conference* Dec 6 - 7, 2013, Kasetsart University Kamphaeng Sean Campus, Nakhon Pathom, Thailand, pp., 1476 - 1483.
27. Luecha Supenporn and Warunee Tia,2013. "**Tax Barriers and Guidelines for Promoting Energy Efficient Passenger Cars**". *The 5th Rajamangala University of Technology Conference*, Jul 15 - 16, 2013, Convention Centre at Central World, pp., 147 - 156.
28. Manida Jampahom, Sakamon Devahastin, and Somchart Soponronnarit,2013. "**Improving of Some Properties of Edible Chitosan Films via Physical Method**". *14th TSAE National Conference : TSAE 2013*, Apr 1 - 4, 2013 Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 632 - 636.
29. Nantariya Phasuvanichkul, Nonsee Nimitsiriwat, and Jatuphorn Wootthikanokkhan,2013. "**Synthesis and Characterization of Amphiphilic Biodegradable Poly (Vinyl Alcohol) - Graft - Stearic Acid**". *The 3rd Polymer Conference of Thailand (PCT - 3)*, Mar 28 - 29, 2013, Pathumwan Princess Hotel, Bangkok, Thailand, p. 37.
30. Nattawut Tunhikorn, Kuskana Kubaha, and Siriluk Chiarakorn,2013. "**Energy Management and Carbon Footprint Assessment in a Frozen Shrimp Factory**". *9th Conference on Energy Network of Thailand*, May 8 - 10, 2013, Cholapruek Resort, Nakhon Nayok, pp., 1137 - 1141.

31. Nattida Tantisangwarakul, Chullaphong Chullabodhi, and Sasidhorn Buddhawong,2013. **"Study on Pollutants from Burning Municipal Solid Waste as Energy"**. *Sri - Ayutthaya Cluster 3rd Rajabhat University National Conference*, Feb 14 - 15, 2013, Valaya Alongkorn Rajabhat University Under the Royal Patronage, pp., 630 - 641.
32. Nisakorn Meechan, Pojanie Khummongkol, and Soydoa Vinitnantharat,2013. **"Evaluation of Wet and Dry Acid Deposition Using Natural Method Over the Sakerat Biospheric Forest"**. *Suan Dusit National Conference : Science Researcher Day 2013*, Mar 14, 2013, Suan Dusit Rajabhat University, pp., 148 - 153.
33. Noppanan Thongnil, Siriporn Rojananan, Kessaraporn Wathanyu, and Surasit Rojananan,2013. **"The Effect of Cold Press on Conductivity of Silver - Tin Oxide(in Thai)"**. *51st Kasetsart University Annual Conference*, Feb 5 - 7, 2013, Kasetsart University, Bangkok, Thailand, pp., 1 - 7.
34. Nopparat Orrasin, Thanit Swasdisevi, and Pratarn Wongsarivej,2013. **"Effect of Feed Flow Rate and Underflow Size on Separation Efficiency of 125 Millimeter Hydrocyclone"**. *การประชุมวิชาการ ในโอกาสครบรอบ 25 ปี วิทยาลัยวิศวกรรมศาสตร์ และการประชุมนำเสนอ ผลงานวิจัยบัณฑิตศึกษา ประจำปีการศึกษา 2556* Oct 17, 2013, Digital Multimedia Complex, Rangsit Universit, Bangkok, Thailand, pp., 174 - 181.
35. Nuntarat Sookpunya, Roongrojana Songprakorp, and Kaokanya Sudaprasert,2013. **"A Study of Structural and Capacity Fading on Cycling of LiFePO<sub>4</sub>F Cathode for Li - Ion Batteries"**. *30th National Graduate Research Conference*, Dec 12 - 13, 2013, Chiangmai Rajabhat University, pp., 59 - 70.
36. Nuttakorn Kittiworarut and Kuskana Kubaha,2013. **"Energy Efficiency Managemant in Small and Medium Frozen Foods in Samut Sakhon Province"**. *The 10th National Kasetsart University Kamphaeng Saen Conference*, Dec 6 - 7, 2013, Kasetsart University, Nakornpathom, Thailand, p. 9 Pages.

37. Nuttapuch Saardsiweeradech, Somkiat Prachayawarakorn, and Somchart Soponronnarit,2013. "**Effect of Drying Temperature on Quality of Germinated Brown Rice Flour**". *14th TSAE National Conference : TSAE 2013*, Apr 1 - 4, 2013, Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 469 - 476.
38. Nuttaramunya Chantrapaprakul, Pojanie Khummongkol, and Suwimol Asavapisit,2013. "**A Study of Climatological Factors Affecting Black Carbon Deposition Over the Sakaerat Biosphere Forest**". *Suan Dusit National Conference : Science Researcher Day 2013*, Mar 14, 2013, Suan Dusit Rajabhat University, pp., 189 - 194.
39. Orawan Phromngam, Thanit Swasdisevi, Napida Hinchiranan, and Thanet Utistham,2013. "**Desulfurization of Pyrolysis Oil Derived from Catalytic Pyrolysis of Waste Tires**". *9th Conference on Energy Network of Thailand*, May 8 - 10, 2013, CholaPruek Resort, Nakhon Nayok, pp., 854 - 859.
40. Pakawat Sribuaban, Sirichai Thepa, Wirachai Soontornrangson, and Rattanachai Pairintra,2013. "**Production of Activated Carbons from Palm Shell by Pyrolysis in a Vertical Screw Pyrolyzer**". *Sripatum University Conference 2013*, Dec 24, 2013, Auditorium Room 1 - 2, Sripatum University, Thailand, pp., 1 - 8.
41. Pantakarn Kerdsangsuriyong, Sirichai Thepa, Khanchai Tunlasakun, and Rungrojana Songprakop,2013. "**An Improvement of Photovoltaic Thermal using Cooled Water with Compound Parabolic Concentrator**". *The 10th National Kasetsart University Kamphaen Saen Conference*, Dec 6 - 7, 2013, Kasetsart University Kamphaeng Saen Campus, Nakhon Pathom, p. 8 Pages.
42. Patthera Srichai and Jatuphorn Wootthikanokkhan,2013. "**Synthesis and Characterization of Triblock Copolymers from Di - Alkyl Itaconate Based Monomers via Atom Transfer Radical Polymerization**". *2nd Polymer Conference of Thailand*, Oct 20 - 21, 2013, Chulabhorn Research Institute, Bangkok, Thailand, pp., 139 - 142.

43. Phatsakron Choomti, Naris Pratinthong, and Sirichai Thepha,2013. "**A Simple of Metal Sheet Solar Collector for Producing Hot Water**". *9th Conference on Energy Network of Thailand*, May 8 - 10, 2013, Cholapruek Resort, Nakhon Nayok, p. 9 Pages.
44. Phattarawut Wongsuwan, Apichit Therdyothin, and Kuskana Kubaha,2013. "**The Study of Cooling Load from Ventilation in Classroom**". *9th Conference on Energy Network of Thailand (E - NETT 9)*, May 8 - 10, 2013, Cholapruek Resort, Nakornnayok, Thailand, p. 6 Pages.
45. Pisit Saetan, Naris Pratinthong, and Thanit Swasdisevi,2013. "**Turmeric Drying Using a Combined Vacuum and Far - Infrared Dryer**". *The 14th TSAE National Conference*, Apr 1 - 4, 2013, Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 123 - 126.
46. Piyatida Rakangthong and Soydoa Vinitnantharat,2013. "**A Study of Fly Ash Granule Coated with Surfactant for Acid Brown 75 Adsorption**". *The 5th National Graduate Research Confernce*, Aug 29, 2013, Ramkhamhaeng University, Bangkok, Thailand, p. 7 Pages.
47. Rattapong Poonpet, Rattana Chaipairintra, and Kaokanya Sudaprasert,2013. "**Study of Biodiesel Production Using Alcohol Obtained from Distillation Glycerin with Seashell and Egg Shells as Catalyst**". *The 7th International Conference on Research and Development of Tropical and Sub - Tropical Crops*, Aug 1 - 2, 2013, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, p. 5 Pages.
48. Rongsira Khumngean, Kitipong Tangphant, Suthin Channarong, and Kaokanya Sudaprasert,2013. "**Design Development and Installation of Light Emitting Diode Bulbs in An Industrial Plant**". *The 2nd National Conference on Sustainable Industrial Innovation and Management*, Oct 29 - 30, 2013, BITEC Bangna, Bangkok, pp., 241 - 248.

49. Sawanya Junbang, Sivawan Phoolphundh, and Sasidhorn Buddhawong,2013. "**Study of Methane Emission from Pellet Organic Fertilizer in Rice Field**". *Suan Dusit National Conference : Science Researcher Day 2013*, Mar 14, 2013, Suan Dusit Rajabhat University, Bangkok, Thailand, pp., 195 - 203.
50. Sawinee Kaewsawat, Somkiat Prachayawarakorn, and Somchart Soponronnarit,2013. "**Effect of Gelatinization Condition and Debranching Resistant Starch from Namwa Banana**". *14th TSAE National Conference : TSAE 2013*, Apr 1 - 4, 2013 Huahin Grand - Hotel & Plaza, Prachuap Khiri Khan, pp., 477 - 484.
51. Siriporn Rojananan, Paiboon Chuangthong, and Kessaraporn Wathanyu,2013. "**Manufacturing for Strengthening Improvement of Nonferrous Alloys**". *The Second Thailand National Research Universities Summit : NRU SUMMIT II*, May 7 - 8, 2013, Queen Sirikit National Convention Center, Bangkok, Thailand, pp., 1 - 1.
52. Suchada Wannapin, Roongrojana Songprakorp, and Kaokanya Sudaprasert,2013. "**Study on Possibilities and Barriers to Promoting Hybrid Car in Thailand**". *3rd Conference on Panyapiwat*, May 22, 2013, Panyapiwat Institute of Management, p. 8 Pages.
53. Sucharat Praseatsawat, Kitipong Tangphant, Suthin Channarong, and Kaokanya Sudaprasert,2013. "**The Study and Design of Lighting for Energy Saving in Chrysanthemum Greenhouse**". *The 2nd National Conference on Sustainable Industrial Innovation and Management*, Oct 29 - 30, 2013, BITEC Bangna, Bangkok, pp., 227 - 233.
54. Sukawat Thanthara, Warunee Tia, and Somchart Soponronnarit,2013. "**Assessment of Technology and Cost of Power Generation from Agricultural Residues in Thailand**". *The 10th Kasetsart University Kamphaeng Saen Campus Conference*, Dec 6 - 7, 2013, Kasetsart University Kamphaeng Saen Campus, Nakhon Pathom, pp., 267 - 275.

55. Supaporn Sodanin, Pojanie Khummongkol, and Suwimol Asavapisit,2013. "**Size Distribution of Atmospheric Aerosol in Sakaerat Biospheric Forest**". *Suan Dusit National Conference : Science Researcher Day 2013*, Mar 14, 2013, Suan Dusit Rajabhat University, pp., 154 - 158.
56. Suparat Nernplod, Tahanit Swasdisevi, Donludee Jaisut, and Somchart Soponronnarit,2013. "**Drying of Andrographis Paniculata Using a Combined Hot Air, Far - Infraed and High Electric Field**". *The 10th National Kasetsart University Kamphaeng Saen Conference*, Dec 6 - 7, 2013, Kasetsart University, Nakornpathom, Thailand, p. 11 Pages.
57. Tawanya Promchan, Sirichai Thepa, Roongrojana Songprakorp, and Nat Kasayapanand,2013. "**Study of Flow Temperature Distribution of Hot Water Faucet for Low-Pressured Solar Hot Water System by Computation Fluid Dynamics Method**". *The 10th KU - KPS Conference* Dec 6 - 7, 2013, Kasetsart University Kamphaeng Sean Campus, Nakhon Pathom, Thailand, pp., 309 - 315.
58. Teeranard Promsuwan, Pojanie Khummongkol, and Soydoa Vinitnantharat,2013. "**Dry Deposition of Nitrogen Over Sakaerat Biosphere Forest**". *Suan Dusit National Conference : Science Researcher Day 2013*, Mar 14, 2013, Suan Dusit Rajabhat University, pp., 118 - 126.
59. Thanapong Chuachun and Jatuphorn Wootthikanokkhan,2013. "**Effects of Fibers Content and Surface Treatment on Mechanical Properties and Heat Distortion Temperature of Polybutylene Succinate / Kenaf Fiber Composites**". *The 25th National Graduate Research Conference*, Oct, 2013, Princess Maha Chakri Sirindhorn Anterolog Center, Bangkok, Thailand, pp., 3206 - 3214.
60. Thitiwarada khanchanasing, Siriporn Rojananan, and Surasit Rojananan,2013. "**Effect of Niobium on the Structure and Mechanical Properties of Ti - Mo Alloys**". *IE Network Conference*, Oct 16 - 18, 2013, A - One the Royal Cruise Hotel, Pattaya, Chonburi, p. 6 Pages.

61. Todsapul Sadthanon, Rattanachai Pairintra, and Kaokanya Sudaprasert,2013. "**Reactor Design to Increase Rat Methane Production Rate**". การประชุมวิชาการและเสนอผลงานวิจัย พืชเขตร้อนและกึ่งร้อน ครั้งที่ 7, Aug 1 - 2, 2013, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, pp., 1 - 17.
62. Tommawat Soontraratpong, Kitipong Tangphant, Suthin Channarong, and Kaokanya Sudaprasert,2013. "**The Study of Electrical Generating System by Thermoelectric Module Using Waste Heat**". *The 2nd National Conference on Sustainable Industrial Innovation and Management*, Oct 29 - 30, 2013, BITEC Bangna, Bangkok, pp., 234 - 240.
63. Umaporn Yepark, Kuskana Kubaha, and Warunee Tia,2013. "**Effect of a Fossil Power Plant to Human Health and Environmental Damage**". *9th Conference on Energy Network of Thailand (E - NETT 9)*, May 8 - 10, 2013, Cholapruek Resort, Nakhon Nayok, p. 8 Pages.
64. Vasan Sinsuvan, Sirichai Thepa, and Roongrojana Songprakorp,2013. "**A Study of Potential of Solar Collector with Economizer for Preheating the Feed Water into the Steam Boiler**". การประชุมวิชาการ ในโอกาสครบรอบ 25 ปี วิทยาลัยวิศวกรรมศาสตร์และการประชุมนำเสนอผลงานวิจัยบัณฑิตศึกษา ประจำปีการศึกษา 2556 Oct 17, 2013, Rangsit University, Thailand, pp., 1 - 10.
65. Wararin Intharak and Apichit Therdyothin,2013. "**Development of Impact Evaluation of Demand Side Management Program at Electricity Generating Authority of Thailand (EGAT)**". *The 10th National Kasetsart University Kamphaen Sean Coference*, Dec 6 - 7, 2013, Kasetsart University Kamphaeng Saen Campus, Nakhon Pathom, p. 9 Pages.
66. Wathu Krongsut, Pojanie Khummongkol, and Suwimol Asavapisit,2013. "**A Study of Composition of Trace Elements in Urban and Remote Areas**". *Suan Dusit National Conference: Science Researcher Day 2013*, Mar 14, 2013, Suan Dusit Rajabhat University, pp., 110 - 117.



67. Watinee Chanma, Thanit Swasdisevi, Ratiya Thuwapanichayanan, and Somchart Soponronnarit, 2013. **"Investigation of Drying Kinetics and Quality Aloe Vera Using a Combined High Electric Field, Far - Infrared and Hot Air Drying"**. *The 10th National Kasetsart University Kamphaeng Saen Conference*, Dec 6 - 7, 2013, ณ อาคารศูนย์เรียนรวม, Kasetsart University Kamphaeng Saen, นครปฐม, pp., 316 - 325.